

# B1 INSTALLATION DRAWING

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FIRST ANGLE PROJECTION

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**GENERAL DESCRIPTION:**

THIS IS A 6 PISTON DIFFERENTIAL BORE CALIPER DESIGNED TO OPERATE ON A VENTILATED IRON DISC OF UP TO Ø378.0mm DIA BY 35.56 TO 32.0mm THICK. STAINLESS STEEL BRIDGE PIPES AND PAD ABUTMENT WEAR TYPES ARE FITTED. SEALS ARE HIGH TEMPERATURE 'SEAL-IN-BORE' TYPE.

**TYPICAL APPLICATION:**

GT

**TECHNICAL INFORMATION:**

TOTAL PISTON AREA: 50.1cm<sup>2</sup>  
PISTON MATERIAL: STAINLESS STEEL (STANDARD)  
BODY MATERIAL: CAST ALUMINUM ALLOY  
ALL HYDRAULIC THREADS M10x1.0  
ASSEMBLY WEIGHT : 3.4 Kg ( WITHOUT PADS )

**INSTALLATION INFORMATION:**

DISC & CALIPER MOUNTING TOLERANCES TO BE SUCH THAT THE DISC IS CENTRAL TO THE CALIPER TO WITHIN ±0.5mm

**KEY TO DIMENSIONS:**

DIMENSION 'PL': TOP OF PAD MATERIAL TO MOUNTING BOSS FACE WITH PAD SITTING DOWN ON LEDGE.  
DIMENSION 'U': WHEEL CENTRE LINE TO CALIPER MOUNTING BOSS FACE = (DISC Ø/2) - DIMENSION 'PL'  
DIMENSION 'C': OFFSET - DISC CENTRE LINE TO MOUNTING HOLES.  
EFFECTIVE RADIUS: DISTANCE FROM WHEEL CENTRE LINE TO NOMINAL PISTON CENTRE LINE.

AP RACING TECHNICAL SECTION WILL BE PLEASED TO ADVISE ON THE MOST SUITABLE EQUIPMENT FOR ANY PARTICULAR APPLICATION.

**CALIPER PART NUMBER ORDERING SYSTEM:**

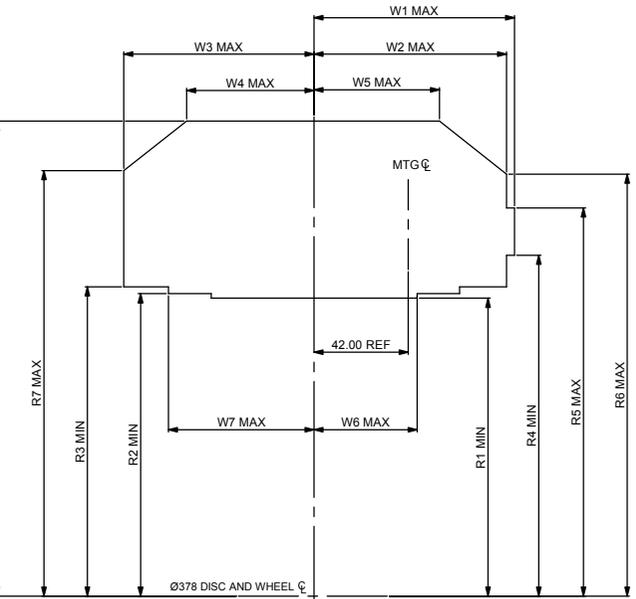
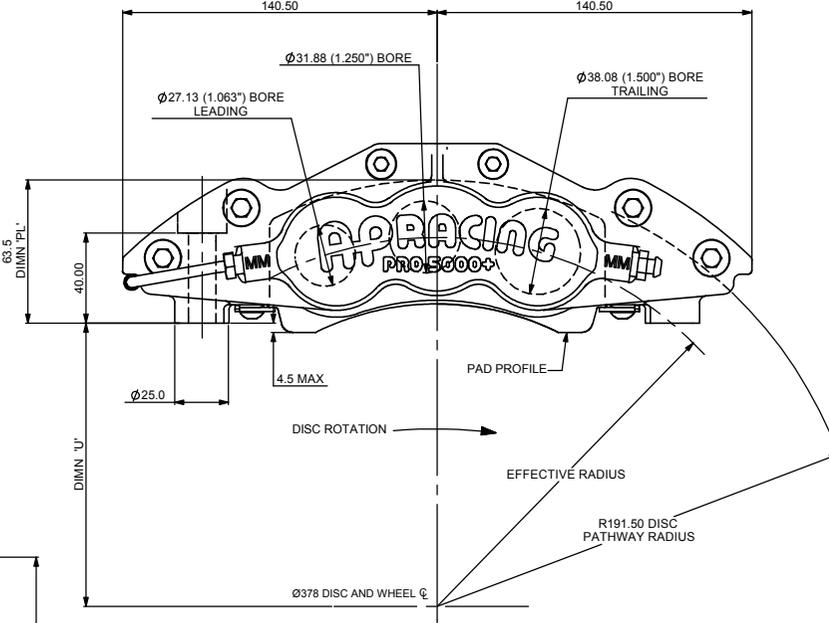
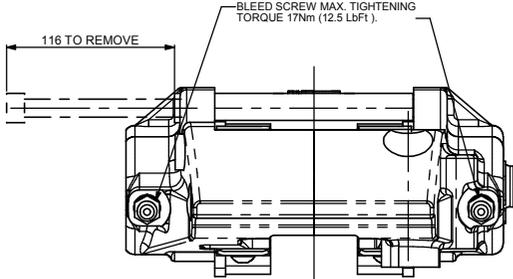
1. SELECT ASSEMBLY FROM TABLE.
2. SELECT SUFFIX CHARACTERS AS FOLLOWS:  
1<sup>st</sup> CHARACTER - 'S' DENOTES POSITION OF INLET ADAPTER.  
'S' FOR SIDEFEED (STANDARD).  
2<sup>nd</sup> CHARACTER - DENOTES THE LOAD OF ANTI KNOCK BACK SPRINGS FITTED.  
'0' NO SPRINGS.  
'4' 4lb (17.8N) SPRINGS.  
'7' 7lb (31N) SPRINGS.

EXAMPLE PART No CP5260-8S7L

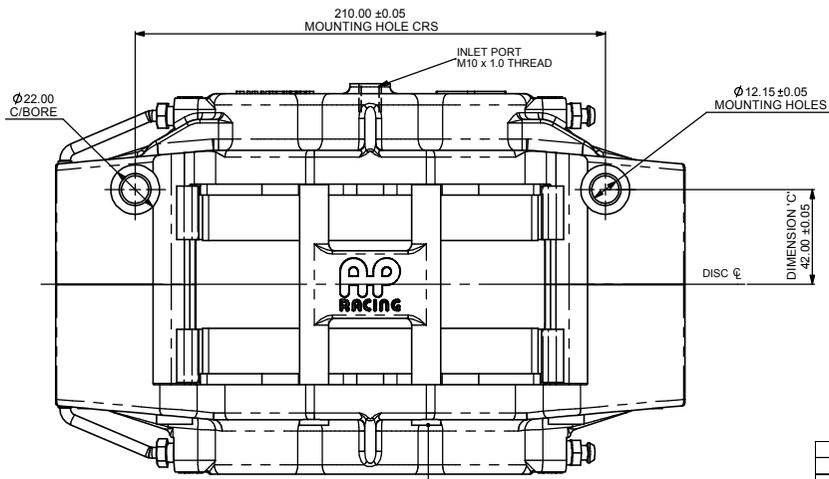
**PADS**

THE CORRECT PAD FAMILY NUMBER FOR THIS CALIPER IS CP3558. PADS SHOULD BE ORDERED SEPARATELY.

SEE SHEET 2 FOR SPARE PARTS LIST

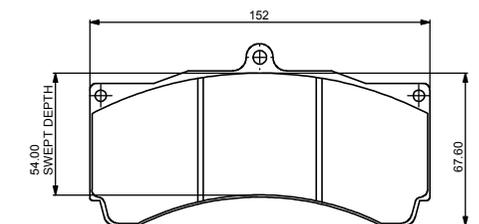


CALIPER RADIAL PROFILE



PAD RETAINING BOLTS SHOULD BE TIGHTENED TO A TORQUE OF 27Nm (20 Lbs Ft). IF POSSIBLE IT IS RECOMMENDED THAT THESE BOLTS ARE LOCKWIRED IN POSITION.

**CP3558 FAMILY**  
PAD THICKNESS 25.0mm  
PAD AREA 77.50cm<sup>2</sup>  
PAD VOLUME 155.0cm<sup>3</sup>



CALIPER IDENTIFICATION CHART							
RHT	RHT	RIGHT HAND TRAILING	BEHIND AXLE (AS DRAWN)				
LHT	LHT	LEFT HAND TRAILING	BEHIND AXLE				
RHL	RHL	RIGHT HAND LEADING	IN FRONT OF AXLE				
LHL	LHL	LEFT HAND LEADING	IN FRONT OF AXLE				

STROKE NO				DISC WIDTH	DISC DIAMETER	EFF RAD	DMN 'U'
RHT	LHT	RHL	LHL				
8	9	10	11	35.56 TO 32.0	378.0	163.5	125.5
8	9	10	11	35.56 TO 32.0	356.0	153.0	114.5

RADIAL PROFILE DATA																	
PART No.	DISC DIA	DISC WIDTH	R1	R2	R3	R4	R5	R6	R7	R8	W1	W2	W3	W4	W5	W6	W7
CP5260-8/9/10/11	378.0	35.56 TO 32.0	132.0	134.0	137.0	151.0	172.0	187.0	188.5	210.5	89.5	86.0	85.0	57.0	56.0	46.0	65.0
CP5260-8/9/10/11	356.0	35.56 TO 32.0	121.5	123.0	126.0	140.0	161.0	176.5	177.5	201.5	89.5	86.0	85.0	57.0	56.0	46.0	65.0

Alterations			
Date & No.	Particulars	Zone	Initials
18/10/06 B4161	FIRST ISSUE		

SCALE 1:1	SHEET 1 OF 2
DRAWN D.AROWSMITH	
APPROVED	
DERIVED FROM	
TITLE	
6 PISTON CALIPER INSTALLATION DRAWING	
DRG NO.	CP5260-7CD

